



Kigali, 30th September 2023

Weather Forecast valid from 1st to 10th October 2023

- 1. Rainfall forecast:** During the first (1st) dekad of October 2023, the expected rainfall will be slightly below the range of the Long-Term Mean (LTM) in many parts of the country (The range of LTM varies between 10 and 70 mm). The expected rainfall will not be evenly distributed and rainy days will be highly variable in different parts of the country. Rainy days are expected to vary between one (1) and five (5) days, with many days experienced in Western and Northern Parts and few days in Central, Southern and Eastern parts. The probable rainy days are 2nd and from 7th to towards the end of the dekad.

The predicted rainfall will be associated with thunderstorms which will result from the position of Inter-Tropical Convergence Zone (ITCZ) migrating southward towards the region where Rwanda is located and coupled systems of the local factors.

Spatial Distribution: Rainfall ranging between 0 and 75 mm is expected across the country. Rainfall ranging between 60 and 75 mm is the highest expected during the dekad over most parts of Rutsiro, Nyamasheke, western parts of Ngororero, northern parts of Karongi, Rusizi and Nyabihu, southern parts of Rubavu Districts and small part of Gakenke. Rainfall ranging between 45 and 60 mm is expected in the remaining parts of Western and Northern Provinces and western parts of Nyamagabe. Rainfall ranging between 30 and 45 mm is expected in most parts of Nyamagabe, Gicumbi, western parts of Nyaruguru, Ruhango Nyanza, Muhanga, Gakenke, Nyagatare and Gatsibo, eastern parts of Gicumbi, southern parts of Rulindo, Gakenke and Nyabihu. Rainfall ranging between 15 and 30 mm is expected in most parts of Kigali city, Nyaruguru, Huye, Nyanza, Ruhango, Muhanga, Kamonyi, Rwamagana, Ngoma, Gatsibo and Nyagatare as well as western parts of Kirehe and Kayonza Districts. Rainfall less than 15 mm is the lowest amount expected during the forecasting period and is expected over most parts of Amayaga Region, Bugesera, Kayonza and Kirehe Districts and eastern parts of Nyagatare and Gatsibo Districts.

- 2. Forecast of winds speed:** Moderate to strong wind speed ranging between 4 and over 10 m/s is expected across the country. Moderate wind speed ranging between 4 and 6 m/s (**green colour**) is expected over Kigali city, eastern parts of Kamonyi, northern, southern parts of Rulindo, Gicumbi, and northern parts of Gakenke Districts. Moderate to slightly strong wind speed ranging between 6 and 8 m/s (**yellow colour**) is expected in most parts of the country except the Western Province where strong wind of 8 and 10 m/s (**umber colour**) is expected especially in most parts of Karongi, southern parts of Rutsiro and northern parts of Nyamasheke Districts where slight strong wind exceeding 10m/s (**red colour**) is expected.
- 3. Temperature forecast:** During the first dekad of October 2023, the average maximum temperature is expected to range between 20°C and 32°C which is slight above the mean maximum temperature of the 1st dekad of October. Kigali city, Eastern Province, Amayaga Region, and Bugarama plain are expected to experience higher maximum temperature ranging between 30°C and 32°C. Lower mean maximum temperatures ranging between 20°C and 22°C is expected over a small part of eastern Rubavu, northern parts of Nyabihu and Musanze Districts.

For more spatial details of rainfall distribution, maximum temperature and wind speed, please do refer to



the following maps below.

